ALPHA ENGINEERING AND SYSTEMS

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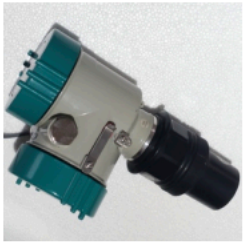
AES

HART Ultrasonic Level Meter

SIL IP68

BROTEK Ultrasonic Level Meter with HART 4 to 20 mA output (measure material level, liquid level) is a non-contact, Inbuilt temperature measurement & Compensation, high reliability, high cost performance, easy to install and easy to maintain level measurement instrument. It can meet most of the level measurement requirements without touching the medium. It is a new generation ultrasonic level meter with full independent property rights developed by Brotek after many years of hard work.

Due to the different on-site installation environment Brotek Ultrasonic level meter Has facility to set process working condition, such as: measurement range, zero point, full range, and on-site working conditions, etc.



Technical detail

Enclosure : Three cavity (EX & IP 68)
Ultrasonic probe : nano coated and anti condensate
Function : Integrated
Range : 5 meters, 10 meters, 15 meters, 20 meters
Measurement accuracy : 0.5% -1.0%
Resolution : 3mm or 0.1% (whichever is greater)
Display : English LCD,
: level in graph and figure,
: Temperature of medium , output current and distance of level and % of level
: self check and indicate and alarm : signal strength, hardware fail, echo loss, excessive noise,

Analog output : HART, 2-wire, 4 to 20mA
Power supply Standard : 24VDC
Ambient temperature : Display instrument -20 to + 60 C, Probe -20 to + 80 C,
Degree of protection : Display instrument IP65, Probe IP68
Probe installation : Based on range and probe selection

Future and Option

Self compensation and alarm again Radio frequency and noise
Ultrasonic probe is nano coated and anti condensate
Inbuilt temperature sensor for measure and compensate Temperature
Three cavity explosion proof Enclosure
HART output

Certification

Explosion proof : EXD IIC T6 Gb,
Certificate no : CCRI 17, 1007,

Safety Certificate : Class : SIL-3,
Certificate No: 2j/1019

Protection : IP 66